

## State of Utah DEPARTMENT OF NATURAL RESOURCES Division of Oil, Gas & Mining

MICHAEL R. STYLER Executive Director JOHN R. BAZA
Division Director



## Inspection Report Minerals Regulatory Program

Report Date: July 7, 2005

Mine Name: North LilyTintic Project	Permit number: M/023/007				
Operator or Permittee Name:	Inspecti	<b>Inspection Date:</b> June 8, 2005			
North Lily Mining Company					
Permittee Mailing Address:					
1800 Glenarm Place #210, Denver, CO 80202					
		r: Mostly cl			
Inspector(s): Paul Baker and Tom Munson			me: 10:15 AM		
			ne: 10:40 AM		
Other Participants: None			inspected (i.e.	Pit #):	
	Heap Le				
Permit Status: Forfeiture	Surface Ownership: Fee				
Current Acreages: :		l Ownership			
Total Permitted (Bonded): 25			ld and silver		
Total Disturbed: 25	Type of	Mine: Surfa	ace		
	D 1 1	3.7/4		Г. С.	
Elements of Inspection	Evaluated	N/A	Comment	Enforcement	
1. Permits, Revisions, Transfer, Bonds			Ш		
2. Public Safety (open shafts, adits, trash,					
signs, highwalls)					
3. Protection of Drainages	H	님	H	H	
4. Explosives, magazines	H	H	H	H	
5. Deleterious Material	Ш	Ш,		Ш	
6. Roads (maintenance, surfacing, dust control,					
safety) 7. Concurrent Reclamation					
		H	片	H	
<ul><li>8. Erosion Control</li><li>9. Demolition</li></ul>	H	H	H		
10. Backfilling and Grading (trenches, pits,	Ш		Ш		
roads, highwalls, shafts, drill holes)					
11. Water Impoundments					
12. Soils	H	H	H	H	
13. Revegetation	Ħ	H	$\bowtie$	H	
14. Air Quality	Ħ	Ħ	H	H	
15. Facilities	H	H		H	
	님		님	님	
16. Other	$\Box$	$\Box$			



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### **Purpose of Inspection:**

In December 2004, the Division received a request to release the remaining reclamation bond since it has been three years since the site was last seeded. Our purpose in doing this inspection was to make a general assessment of the vegetation to see if it might qualify for release.

### **Inspection Summary:**

13. Revegetation

Photo 1 shows vegetation on the heap leach pile. The vegetation on this pile has progressed markedly (Photo 2) except on about the lower third of the slope (Photo 3). We wondered whether this portion of the area was not seeded but, other than the lack of vegetation, have no evidence this is the case. The dominant species is forage kochia, but there are some perennial grasses and other plants. We found some weeds on the pile, but not a lot. We also found thousands of forage kochia seedlings. My experience is that most of these will die, but some should survive and increase vegetation cover.

Whitetop, a noxious weed, is creeping into the east side of the area (Photo 4).

Most vegetation in the facilities area is annual weeds, especially squarrose knapweed, another noxious weed, and cheatgrass. There are some perennial seeded species.

### **Conclusions/Recommendations:**

I did not take vegetation cover measurements but do not believe either the heap leach pile or the facilities area meets release criteria. I suggest that the lower third of the heap leach pile slopes be roughened and reseeded. In addition, the operator should be working to control noxious weeds. Although this is difficult, especially considering that adjacent areas contain a lot of noxious weeds, the operator should be working actively to control them on the disturbed area.

If the operator feels the site meets the requirements for release, vegetation cover data supporting this conclusion should be submitted to the Division. However, even if there is adequate cover, I recommend that the bond not be released because of the noxious weeds. I recognize the difficulty in eradicating noxious weeds, but the operator should be actively working to eliminate them from the disturbed area. Noxious weeds are not conducive to any postmining land use.

Inspector's Signature

Date: July 7, 2005

PBB:jb

Enclosures: Photo Attachment cc: Steve Flechner, Operator

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# PHOTO ATTACHMENT

M/023/007, North Lily Mine—Tintic Project, North Lily Mining Company Inspection Dated: June 8, 2005; Report Dated: July 7, 2005



Photo 1. The heap leach pile. There is more vegetation than this photo would seem to indicate.

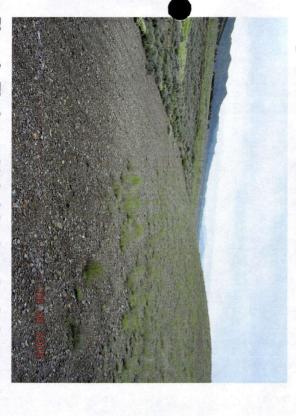


Photo 2. The lower third of the slopes has little vegetation.



Photo 3. Vegetation on most of the pile has progressed a lot. Forage kochia is the dominant species. Note the number of seedlings, particularly in the depressions.



Photo 4. Whitetop coming in from the east.